

CLEAN SET OF NEW CLAIMS

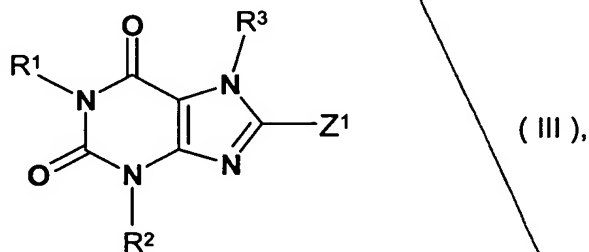
--13 (New). A physiologically acceptable salts of the compound according to at claim 1 with inorganic or organic acids or bases.

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14 (New). A pharmaceutical compositions comprising a pharmaceutically effective amount of a compound according to claim 1 with one or more pharmaceutically acceptable inert carriers and/or diluents.

15 (New). A method of treating a disease chosen from type I and type II diabetes mellitus, arthritis, obesity, allograft transplantation and osteoporosis caused by calcitonin comprising administering to a patient in need thereof a pharmaceutically effective amount of a compound according to claim 1.

16 (New). A process for preparing the compounds of general formula I or the salts thereof according to claim 1, comprising

a) in order to prepare compounds of general formula I wherein R^4 is one of the groups mentioned in claim 1 linked to the xanthine skeleton via a nitrogen atom:
reacting under suitable conditions a compound of general formula (III)

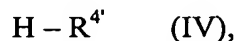


wherein

R^1 to R^3 are defined as in claim 1 and

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 Z¹ denotes a leaving group chosen from a halogen atom, a substituted hydroxy, mercapto, sulphinyl, sulphonyl, sulphonyloxy group, a methanesulphonyl and methanesulphonyloxy group,

with a compound of general formula (IV)



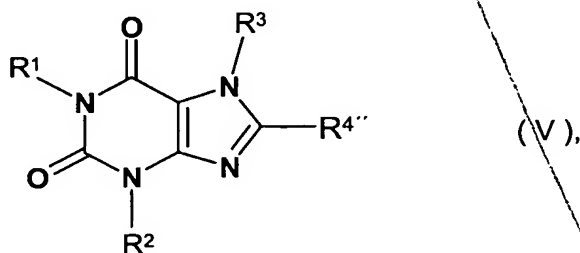
wherein

R^{4'} is as defined in claim 1 which is linked to the xanthine skeleton of general formula I via a nitrogen atom;

or

b) in order to prepare compounds of general formula I wherein R⁴ according to the definition in claim 1 contains an amino group or an alkylamino group optionally substituted in the alkyl moiety:

deprotecting under suitable conditions a compound of general formula (V)



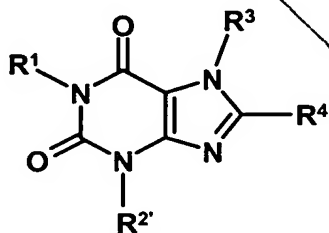
wherein R¹, R² and R³ are defined as in claim 1 and

R^{4''} contains an N-tert.-butoxycarbonylamino group or an N-tert.-butoxycarbonyl-N-alkylamino group, wherein the alkyl moiety of the N-tert.-butoxycarbonyl-N-alkylamino group is optionally substituted as in claim 1;

or

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c) in order to prepare a compound of general formula I wherein R^2 denotes a hydrogen atom:

deprotecting a compound of general formula (VI)



(VI),

wherein R^1 , R^3 and R^4 are as hereinbefore defined in this claim and $R^{2'}$ denotes a protecting group chosen from a methoxymethyl, benzyloxymethyl, methoxyethoxymethyl and 2-(trimethylsilyl)ethyloxymethyl group;

and subsequently isolating the product compound of the general formula I or the salts thereof.--